WHAT IS CLAIMED IS:

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1. A method of processing a call of a wireless local area network exchange using a callback function, comprising the steps of:

periodically transmitting a keep-alive signal to the wireless local area network exchange from terminals;

considering terminals from which the keep-alive signal is not transmitted as keep-dead terminals, and transmitting a telephone number list of the keep-dead terminals to each terminal by the wireless local area network exchange;

attempting calls to target terminals to be substantially called, and requesting a callback service according to user intentions when telephone numbers of the target terminals are stored in the telephone number list by the terminals; and

automatically attempting the calls to the target terminals from the terminals when the target terminals are converted into a keep-alive state from a keep-dead state and the callback service is requested.

2. The method of claim 1, wherein the step of periodically transmitting the keep-alive signal comprises the steps of:

comparatively deciding whether a keep-alive transmission period has come by the terminals; transmitting terminal state information to the wireless local area network exchange when the keep-alive period has come; and

6	receiving the terminal state information from a plurality of terminals, and upgrading contents
7	of a terminal state information storage by the wireless local area network exchange.
1	3. The method of claim 1, wherein the step of considering terminals from which the
2	keep-alive signal is not transmitted as keep-dead terminals comprises the steps of:
3	comparatively deciding whether it is time for transmitting other terminal information to each
4	terminal by the wireless local area network exchange;
5	considering terminals from which the keep-alive signal is not transmitted as keep-dead
6	terminals among other terminal information, and transmitting an telephone number list about the
7	keep-dead terminals to other terminals; and
8	receiving the telephone number list, and upgrading contents of the telephone number list by
9	the terminals.
1	4. The method of claim 1, wherein the step of attempting calls to target terminals further
2	comprises the steps of:
3	attempting calls to target terminals from the terminals when telephone number digits are
4	performed by users;
5	comparatively deciding whether telephone numbers of the target terminals for the calls
6	requested by the terminals are stored in the telephone number list corresponding to a keep-dead state;
7	performing a normal call processing procedure when the telephone numbers of the target

terminals are not stored in the off list;

P56966 informing the users of the keep-dead state when the telephone numbers of the target terminals are stored in the telephone number list; 10 comparatively deciding whether to use the callback service by the users recognizing the 11 keep-dead state; and 12 storing a telephone number of a present target terminal in a call list which is scheduled a call 13 request when the users select the callback service. 14 5. The method of claim 1, wherein the step of automatically attempting the calls to the target 1 terminals comprises the steps of: 2 periodically comparing the telephone number list, which is a keep-dead terminal list, with 3 the call list, which is the call request scheduled list by the terminals, in order to use the callback

comparatively deciding whether a number of call list numbers is not stored in the telephone number list, in order to know a number converted into a keep-alive state from a keep-dead state for the calls requesting the callback service;

service;

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returning to a standby state as the callback service is unnecessary to where there is no change in the telephone number list by the number converted into the keep-alive state from the keep-dead state is not stored;

attempting the calls to the corresponding number from a call controller of the terminals in order to perform the callback service, since the number of the call list numbers is not stored in the off list, meaning there is a number converted into the keep-alive state from the keep-dead state;

comparatively deciding whether to be connected with the target terminals; making the calls by the users when connected with the target terminals; and considering that the calls are terminated by the callback service when the users terminate the calls, and deleting the number of the target terminals to which a present call is made from the call request scheduled list.

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- 6. The method of claim 1, with the target terminal being any one of a destination terminal and a receiving terminal.
 - 7. The method of claim 1, with the call request scheduled list being a call list.
- 8. The method of claim 2, wherein the step of considering terminals from which the keep-alive signal is not transmitted as keep-dead terminals comprises the steps of:
- comparatively deciding whether it is time for transmitting other terminal information to each terminal by the wireless local area network exchange;
- considering terminals from which the keep-alive signal is not transmitted as keep-dead terminals among other terminal information, and transmitting an telephone number list about the keep-dead terminals to other terminals; and
- receiving the telephone number list, and upgrading contents of the telephone number list by the terminals.

1	9. The method of claim 8, wherein the step of attempting calls to target terminals further
2	comprises the steps of:
3	attempting calls to target terminals from the terminals when telephone number digits are
4	performed by users;
5	comparatively deciding whether telephone numbers of the target terminals for the calls
6	requested by the terminals are stored in the telephone number list corresponding to a keep-dead state;
7	performing a normal call processing procedure when the telephone numbers of the target
8	terminals are not stored in the off list;
9	informing the users of the keep-dead state when the telephone numbers of the target terminals
10	are stored in the telephone number list;
11	comparatively deciding whether to use the callback service by the users recognizing the
12	keep-dead state; and
13	storing a telephone number of a present target terminal in a call list which is scheduled a call
14	request when the users select the callback service.
1	10. The method of claim 9, wherein the step of automatically attempting the calls to the target
2	terminals comprises the steps of:
3	periodically comparing the telephone number list, which is a keep-dead terminal list, with
4	the call list, which is the call request scheduled list by the terminals, in order to use the callback
5	service;
6	comparatively deciding whether a number of call list numbers is not stored in the telephone

number list, in order to know a number converted into a keep-alive state from a keep-dead state for the calls requesting the callback service; 8 returning to a standby state as the callback service is unnecessary to where there is no change in the telephone number list by the number converted into the keep-alive state from the keep-dead 10 state is not stored; 11 attempting the calls to the corresponding number from a call controller of the terminals in 12 order to perform the callback service, since the number of the call list numbers is not stored in the 13 off list, meaning there is a number converted into the keep-alive state from the keep-dead state; 14 comparatively deciding whether to be connected with the target terminals; 15 making the calls by the users when connected with the target terminals; and 16 considering that the calls are terminated by the callback service when the users terminate the 17 calls, and deleting the number of the target terminals to which a present call is made from the call 18 request scheduled list. 19 11. The method of claim 2, wherein the step of attempting calls to target terminals further 1 comprises the steps of: 2 attempting calls to target terminals from the terminals when telephone number digits are 3 performed by users; comparatively deciding whether telephone numbers of the target terminals for the calls 5 requested by the terminals are stored in the telephone number list corresponding to a keep-dead state;

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performing a normal call processing procedure when the telephone numbers of the target

8	terminals are not stored in the off list;
9	informing the users of the keep-dead state when the telephone numbers of the target terminals
10	are stored in the telephone number list;

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comparatively deciding whether to use the callback service by the users recognizing the keep-dead state; and

storing a telephone number of a present target terminal in a call list which is scheduled a call request when the users select the callback service.

12. The method of claim 2, wherein the step of automatically attempting the calls to the target terminals comprises the steps of:

periodically comparing the telephone number list, which is a keep-dead terminal list, with the call list, which is the call request scheduled list by the terminals, in order to use the callback service;

comparatively deciding whether a number of call list numbers is not stored in the telephone number list, in order to know a number converted into a keep-alive state from a keep-dead state for the calls requesting the callback service;

returning to a standby state as the callback service is unnecessary to where there is no change in the telephone number list by the number converted into the keep-alive state from the keep-dead state is not stored;

attempting the calls to the corresponding number from a call controller of the terminals in order to perform the callback service, since the number of the call list numbers is not stored in the

14	off list, meaning there is a number converted into the keep-alive state from the keep-dead state;
15	comparatively deciding whether to be connected with the target terminals;
16	making the calls by the users when connected with the target terminals; and
17	considering that the calls are terminated by the callback service when the users terminate the
18	calls, and deleting the number of the target terminals to which a present call is made from the call
19	request scheduled list.
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1	13. An apparatus for processing a call of a wireless local area network, comprising:
2	a terminal, comprising:
3	a user interface interfacing with a user to perform a corresponding command
4	according to a selected operation of the user;
5	a call controller overall controlling calls;
6	a network interface interfacing to physically perform communication between the
7	terminal and the wireless local area network exchange; and
8	a system interface interfacing with a wireless local area network exchange system and
9	having data on an the telephone number list storing a list of keep-dead target terminals and data on
10	a call list storing a call request scheduled list corresponding to telephone numbers to which a
11	callback service is requested by the user among telephone numbers of the target terminals that fail
12	to call attempts; and
13	a wireless local area network exchange, comprising:
14	a call controller overall controlling the calls;

15	a terminal interface considering terminals from which a keep-alive signal is not
	transmitted as keep-dead terminals as interfacing with the terminal and storing the telephone number
16	
17	list about the keep-dead terminals in a terminal state information storage;
18	a network interface interfacing to physically perform communication between the
19	terminal and the wireless local area network exchange; and
20	an access point connected to the network interface in a wire line to enable wireless
21	communication between the wireless local area network exchange and the terminal and transceiving
22	a wireless signal to the terminal.
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1	14. An apparatus for processing a call of a wireless network, comprising:
2	a terminal, comprising:
3	a user interface interfacing with a user to perform a corresponding command
4	according to a selected operation of the user;
5	a call controller controlling calls;
6	a network interface interfacing to physically perform communication between the
7	terminal and the wireless network exchange; and
8	a system interface interfacing with a wireless local area network exchange system and
9	having data on an address list storing a list of keep-dead target terminals and data on a call list
10	storing a call request scheduled list corresponding to addresses to which a callback service is

requested by the user among addresses of the target terminals that fail to call attempts; and

a wireless network exchange, comprising:

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a	call	controller	controlling	the	calls.
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a terminal interface considering terminals from which a keep-alive signal is not transmitted as keep-dead terminals as interfacing with the terminal and storing the address list about the keep-dead terminals in a terminal state information storage;

a network interface interfacing to physically perform communication between the terminal and the wireless network exchange; and

an access point connected to the network interface in a wire line to enable wireless communication between the wireless network exchange and the terminal and transceiving a wireless signal to the terminal.

15. A method of processing a call, comprising:

periodically transmitting a keep-alive signal to a wireless network exchange from a plurality of terminals;

considering terminals from which the keep-alive signal is not transmitted as keep-dead terminals, and transmitting an address list of the keep-dead terminals to each terminal by the wireless network exchange;

attempting calls to target terminals to be substantially called, and requesting a callback service according to user intentions when addresses of the target terminals are stored in the address list by the terminals; and

automatically attempting the calls to the target terminals from the terminals when the target terminals are converted into a keep-alive state from a keep-dead state and the callback service is period has come.

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l		16. The method of claim 15, wherein the periodically transmitting the keep-alive signal
2	compr	ises:
3		comparatively deciding whether a keep-alive transmission period has come by the terminals;
4	and	
5		transmitting terminal state information to the wireless network exchange when the keep-alive

- 17. The method of claim 16, wherein the periodically transmitting the keep-alive signal further comprises of receiving the terminal state information from a plurality of terminals, and upgrading contents of a terminal state information storage by the wireless network exchange.
- 18. The method of claim 16, wherein the considering terminals from which the keep-alive signal is not transmitted as keep-dead terminals comprises:
- comparatively deciding whether to transmit other terminal information to each terminal by the wireless network exchange;
- considering terminals from which the keep-alive signal is not transmitted as keep-dead terminals among other terminal information, and transmitting an address list about the keep-dead terminals to other terminals; and
 - receiving the address list, and upgrading contents of the address list by the terminals.

1	19. The method of claim 18, wherein the attempting calls to target terminals further
2	comprises:
3	attempting calls to target terminals from the terminals when address characters are
4	performed;
5	comparatively deciding whether addresses of the target terminals for the calls requested by
6	the terminals are stored in the address list corresponding to a keep-dead state;
7	performing a normal call processing procedure when the address of the target terminals are
8	not stored in the off list;
9	informing the users of the keep-dead state when the addresses of the target terminals are
0	stored in the address list;
1	deciding whether to use the callback service by the users recognizing the keep-dead state; and
2	storing an address of a present target terminal in a call list which is scheduled a call request
3	when the users select the callback service.
1	20. The method of claim 19, wherein the automatically attempting the calls to the target
2	terminals comprises:
3	periodically comparing the address list, which is a keep-dead terminal list, with the call list,
4	which is the call request scheduled list by the terminals, in order to use the callback service;
5	comparatively deciding whether a character of call list addresses is not stored in the address
6	list, in order to know an address converted into a keep-alive state from a keep-dead state for the calls

requesting the callback service;

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returning to a standby state as the callback service is unnecessary from there being no change in the address list where the address converted into the keep-alive state from the keep-dead state is not stored;

attempting the calls to the corresponding address from a call controller of the terminals in order to perform the callback service, since the address of the call list addresses is not stored in the off list, meaning there is an address converted into the keep-alive state from the keep-dead state;

comparatively deciding whether to be connected with the target terminals;

making the calls by the users when connected with the target terminals; and

considering that the calls are terminated by the callback service when the users terminate the calls, and deleting the address of the target terminals to which a present call is made from the call request scheduled list.